BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	1							
Item Name:	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.							
	CHAINAGE / Land Mark		NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets								
Back Side Area								
Concrete Flooring			1	8.00	8.00	0.25	16.00	
Total Qty Work Done							**16.00**	**Cum**
Qty Payable in this bill							**16.00**	**Cum**

25/6

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP,Bengaluru.

25/6

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	2	
Item Name:	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	

CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets						
Footing F1	10	1.25	1.25	1.25	19.53	
Ladies Toilet all round	1	23.20	0.60	0.90	12.53	
Partition Wall-1	1	7.35	0.60	0.60	2.65	
Gents Toilet all round	1	15.20	0.60	0.90	8.21	
Partition Wall-2	1	5.20	0.60	0.60	1.87	
Deduction Footings	-10	1.25	0.60	0.75	-5.63	
Total Qty Work Done					**39.16**	**Cum**
Qty Payable in this bill					**39.16**	**Cum**

25/6 to 26/6

25/6 to 26/6

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

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BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	3						
Item Name:	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 220 kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS						
CHAINAGE / Land Mark		NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For PCC Toilets Bed							
Footing F1		10	1.25	1.25	0.10	1.56	
Ladies Toilet all round		1	23.20	0.60	0.10	1.39	
Partition Wall-1		1	7.35	0.60	0.10	0.44	
Gents Toilet all round		1	15.20	0.60	0.10	0.91	
Partition Wall-2		1	5.20	0.60	0.10	0.31	
Partition Wall-3		9	1.45	0.60	0.10	0.78	
Floor Area		1	8.50	7.50	0.10	6.38	
Deduction Footings		-10	1.25	0.60	0.10	-0.75	
					Total Qty Work Done	**11.03**	**Cum**
					Qty Payable in this bill	**11.03**	**Cum**

27/6

27/6

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst. Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	4	
Item Name:	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed incourses not less than 20 cms high, bond stones at 2m. apart ineach course including cost of materials, labour, curingcomplete as per specifications. KBS 5.1.13	

CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets						
For Foundation SSM First Step						
Ladies Toilet all round	1	23.20	0.60	0.45	6.26	
Partition Wall-1	1	7.35	0.60	0.45	1.98	
Gents Toilet all round	1	15.20	0.60	0.45	4.10	
Partition Wall-2	1	5.20	0.60	0.45	1.40	
Total Qty Work Done					**13.76**	**Cum**
Qty Payable in this bill					**13.76**	**Cum**

28/6

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Assistant Engineer
Ward No -13
BBMP-Bengaluru

28/6

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP, Bengaluru

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	5							
Item Name:	Providing and constructing granite / trap 1 basalt size stone masonry in basementwith cement mortar 1:6, edges ofstones chistle dressed incourses not less than 15 cms high, bond stones at 2m. apart ineach course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13							
	CHAINAGE / Land Mark		NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets								
For Foundation SSM Second Step								
Ladies Toilet all round			1	23.20	0.45	0.45	4.70	
Partition Wall-1			1	7.35	0.45	0.45	1.49	
Gents Toilet all round			1	15.20	0.45	0.45	3.08	
Partition Wall-2			1	5.20	0.45	0.45	1.05	
Partition Wall-3			9	1.45	0.45	0.45	2.64	
Total Qty Work Done							**12.96**	**Cum**
Qty Payable in this bill							**12.96**	**Cum**

29/6

Assistant Engineer
Ward No -13
BBMP-Bengaluru

29/6

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	6	
Item Name:	Providing and laying in position reinforced cement concrete of design mix M 25 with OPC Cement @ 340 kgs with 20 mm and down size granite coarse aggregates @0.70 cum and fine aggregates @0.47 cum with super plasticiser @3 ltrs conforming to IS 9103-1999 Reaffirmed 2008 at machine mixed concrete of ready mixed concrete laid inlayers not exceeding 15 cms thick and well compacted vibrating, curing, forfootings pedestals retaining walls return walls including attached pillasters column spillars posts strusts buttresses bed blocks anchor blocks and plinths including cost of materials labour HOM of machinery etc complete as per specification with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges	

CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets						
For Foundation						
Footing F1	10	1.25	1.25	0.30	4.69	
Columns- C1	10	0.30	0.20	4.95	2.97	
For Plinth Beam						
Ladies Toilet all round	1	23.20	0.20	0.23	1.07	
Partition Wall-1	1	7.35	0.20	0.23	0.34	
Gents Toilet all round	1	15.20	0.20	0.23	0.70	
Partition Wall-2	1	5.20	0.20	0.23	0.24	
Partition Wall-3	9	1.45	0.20	0.23	0.60	
For Lintel Beam						
Ladies Toilet all round	1	23.20	0.20	0.10	0.46	
Gents Toilet all round	1	15.20	0.20	0.10	0.30	
For Roof Beam						
Ladies Toilet all round	1	23.20	0.15	0.23	0.80	
Gents Toilet all round	2	3.25	0.15	0.23	0.22	
For Roof Slab						
Ladies Toilet all round	1	8.30	3.40	0.12	3.39	
Gents Toilet all round	1	5.43	4.50	0.12	2.93	

	CHAINAGE		NO's	L	B	D	QTY	REMARKS
	Land Mark			(m)	(m)	(m)		
							Total Qty Work Done	18.71 Cum
							Qty Payable in this bill	18.60 Cum

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

Name of the work : Construction of Ladies Toilets in Government Sch... Ward No 13 Cha...yhalli Sub Division

BBMP

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

Item No:	7	First and Part					
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification						
	CHAINAGE Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets							
For Plinth Beam							
Ladies Toilet all round		2	23.20		0.23	10.67	
Gents Toilet all round		2	15.20		0.23	6.99	
		4	3.25		0.23	2.99	
For Lintel Beam							
Ladies Toilet all round		2	23.20		0.10	4.64	
Gents Toilet all round		2	15.20		0.10	3.04	
For Roof Beam							
Ladies Toilet all round		2	23.20		0.23	10.67	
Gents Toilet all round		2	15.20		0.23	6.99	
		4	3.25		0.12	1.56	
Total Qty Work Done						**47.56**	**Sqm**
Qty Payable in this bill						**47.56**	**Sqm**

Sept 2016 to 11/9/22

Assistant Engineer
Ward No -13

Asst.Executive Engineer
Shettyhalli Sub Division

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	8	
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	

	CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets							
For Foundation							
	Columns- C1	10	1.00		4.95	49.50	
					Total Qty Work Done	**49.50**	**Sqm**
					Qty Payable in this bill	**49.45**	**Sqm**

Assistant Engineer
Ward No -13
BBMP-Bengaluru

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Shettyhalli Sub Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	9	
Item Name:	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Surface Such as Suspended Floors Roofs Landings Balconies and Likes thickness above 200mm including cost of all materials, labour complete as per specifications.	

	CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets							
For Roof Slab							
Ladies Toilet all round		1	8.30	3.40		28.22	
Gents Toilet all round		1	5.43	4.50		24.44	
Total Qty Work Done						**52.66**	**Sqm**
Qty Payable in this bill						**49.53**	**Sqm**

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

BRUHAT BANGALORE MAHANAGARA PALIKE

Dasarahalli Division

Name of Work: Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

1st & Part Bill

Name of Agency:

Item No.	10
Item Name:	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specification and directions of the Engineer in charge.

Chainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars (((6/8)x4)+1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
From	To											
1	2	3	4	5	6	7	8	9	10	11	12	13
		Tonne										
Premeasurement recorded on:												
Footing F1		10	16.00	1.25	1.25			60.00	75.00	1.58	118.50	
		10	12.00	1.25	0.30	0.100		126.00	37.80	0.89	33.64	
Columns		10	16.00	4.95	4.95			60.00	297.00	1.58	469.26	
		10	12.00	4.95	0.30	0.100		496.00	148.80	0.89	132.43	
Plinth Beam		2	16.00	23.20	23.20			12.00	278.40	1.58	439.87	
		2	8.00	23.20	0.20	0.125		372.00	74.40	0.39	29.02	
		2	16.00	15.20	15.20			12.00	182.40	1.58	288.19	
		2	8.00	15.20	0.20	0.125		244.00	48.80	0.39	19.03	
Lintel		2	10.00	23.20	23.20			12.00	278.40	0.89	246.94	
		2	8.00	23.20	0.15	0.150		310.00	46.50	0.39	18.14	
		2	10.00	15.20	15.20			12.00	182.40	0.89	161.79	
		2	8.00	15.20	0.15	0.150		204.00	30.60	0.39	11.93	
Roof Beam		2	16.00	23.20	23.20			12.00	278.40	1.58	439.87	

Chainage From	Chainage To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4)+ 1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
			2	10.00	23.20	0.20	0.150	310.00	62.00	0.62	38.44	
			2	16.00	15.20	15.20		12.00	182.40	1.58	288.19	
			2	10.00	15.20	0.20	0.150	204.00	40.80	0.62	25.30	
Roof Slab			1	12.00	8.30	3.40	0.120	70.00	238.00	0.89	211.82	
			2	8.00	8.30	3.40	0.100	167.00	567.80	0.39	221.44	
			1	12.00	4.50	5.43	0.120	39.00	211.77	0.89	188.48	
			2	8.00	4.50	5.43	0.100	91.00	494.13	0.39	192.71	
										Total Quantity	2821.16	
Total Qty in Kgs											2.82	Tonne
Total Quantity											2.79	Tonne
Quanity Limit to												

Asst Engineer
Ward No.13
BBMP

Asst Executive Engineer
Shettyhalli Sub Division
BBMP

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	11	
Item Name:	Providing ejnd constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 5.26.1 - do - with solid concrete blocks of size 400x200x200mm	

CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets						
For Outer Wall						
Ladies Toilet all round	1	23.20		3.05	70.76	
Gents Toilet all round	1	15.20		3.05	46.36	
Deductions						
Doors	-2	0.90		2.10	-3.78	
Ventilators	-4	1.80		0.60	-4.32	
				Total Qty Work Done	**109.02**	**Sqm**
				Qty Payable in this bill	**109.02**	**Sqm**

Assistant Engineer
Ward No -13
BBMP-Bengaluru

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Shettyhalli Sub Division
BBMP-Bengaluru

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No:	12	
Item Name:	Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200mm having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4	

CHAINAGE / Land Mark	NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets						
For Plinth Beam						
Ladies Toilet all round						
Partition Wall-1	1	7.35		2.40	17.64	
Gents Toilet all round						
Partition Wall-2	1	5.20		2.40	12.48	
Partition Wall-3	9	1.45		2.40	31.32	
Deduction D1	-9	0.75		2.10	-14.18	
Total Qty Work Done					**47.27**	**Sqm**
Qty Payable in this bill					**47.27**	**Sqm**

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru

Construction of Ladies Toilets in Govern

BHURAT BENGALURU MAHANAGAR PALIKE

DASARAHALLI DIVISION

Name of the work : Construction of Ladies Toilets in Government School in Mallasandra in Ward No 13 Shettyhalli Sub Division

Pre-Measurement Sheet

First and Part

Item No: **13**

Item Name: Providing 12mm thick cement plaster in Single coat with cement mortar 1:4 to brick masonry including rounding off corners whenever required smooth rendering, Providing and removing scaffolding including cost of all materials labour curing complete as per Specification

CHAINAGE / Land Mark		NO's	L (m)	B (m)	D (m)	QTY	REMARKS
For Toilets							
For Celling Roof Slab							
Ladies Toilet all round	1	1	8.30	3.40		28.22	
Gents Toilet all round	1	1	5.43	4.50		24.44	
For Inner Wall							
Ladies Toilet all round	1	1	23.20		3.05	70.76	
Gents Toilet all round	1	1	15.20		3.05	46.36	
Deductions							
Doors	0.5	-2	0.90		2.10	-1.89	
Ventilators	0.5	-4	1.80		0.60	-2.16	
					Total Qty Work Done	**165.73**	**Sqm**
					Qty Payable in this bill	**154.90**	**Sqm**

14/7 to 16/7

Assistant Engineer
Ward No -13
BBMP-Bengaluru

Asst.Executive Engineer
Shettyhalli Sub Division
BBMP-Bengaluru